

Title (en)
FLEXIBLE SECONDARY CELL

Title (de)
FLEXIBLE SEKUNDÄRBATTERIE

Title (fr)
CELLULE SECONDAIRE SOUPLE

Publication
EP 3512029 A4 20191023 (EN)

Application
EP 17877575 A 20171211

Priority
• KR 20160167907 A 20161209
• KR 2017014489 W 20171211

Abstract (en)
[origin: EP3512029A1] A flexible secondary battery includes: a first electrode including a first electrode current collector extended longitudinally, a first electrode active material layer formed on the outside of the first electrode current collector, and a first insulation coating layer formed on the outside of the first electrode active material layer; and a second electrode including a second electrode current collector extended longitudinally, a second electrode active material layer formed on the outside of the second electrode current collector, and a second insulation coating layer formed on the outside of the second electrode active material layer, wherein the first electrode and the second electrode are wound in such a manner that they are disposed alternately in contact with each other.

IPC 8 full level
H01M 10/0587 (2010.01); **H01M 4/36** (2006.01); **H01M 4/78** (2006.01); **H01M 4/02** (2006.01); **H01M 4/13** (2010.01)

CPC (source: EP KR US)
H01M 4/13 (2013.01 - KR); **H01M 4/36** (2013.01 - KR); **H01M 4/366** (2013.01 - EP US); **H01M 4/628** (2013.01 - US); **H01M 4/661** (2013.01 - KR); **H01M 4/78** (2013.01 - EP US); **H01M 10/058** (2013.01 - KR); **H01M 10/0587** (2013.01 - EP US); **H01M 10/4235** (2013.01 - KR); **H01M 4/02** (2013.01 - EP US); **H01M 4/13** (2013.01 - EP US); **H01M 2004/025** (2013.01 - EP KR US); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP)

Citation (search report)
• [E] WO 2018111016 A1 20180621 - LG CHEMICAL LTD [KR] & EP 3413389 A1 20181212 - LG CHEMICAL LTD [KR]
• [XAI] KR 20160055755 A 20160518 - JENAX INC [KR]
• [XAI] KR 20070009231 A 20070118 - IND ACADEMIC COOP [KR]
• [XAI] US 2016020483 A1 20160121 - PORTHAULT HÉLÈNE [FR], et al
• See also references of WO 2018106093A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3512029 A1 20190717; EP 3512029 A4 20191023; EP 3512029 B1 20240306; CN 109891659 A 20190614; CN 109891659 B 20220510; ES 2977757 T3 20240829; HU E066488 T2 20240828; JP 2019537207 A 20191219; JP 7034412 B2 20220314; KR 102140308 B1 20200731; KR 20180066882 A 20180619; US 11316168 B2 20220426; US 2019267633 A1 20190829; WO 2018106093 A1 20180614

DOCDB simple family (application)
EP 17877575 A 20171211; CN 201780065285 A 20171211; ES 17877575 T 20171211; HU E17877575 A 20171211; JP 2019520850 A 20171211; KR 2017014489 W 20171211; KR 20170169738 A 20171211; US 201716331024 A 20171211